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3043

1642

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shengfang Jin
Serial No. : 09/774,490
Filed : January 31, 2001
Title : RESISTANCE SEQUENCES AND USES THEREOF

Art Unit : 3043
Examiner : K. Canella

Commissioner for Patents
Washington, D.C. 20231

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RESPONSE

In response to the action mailed May 7, 2002, please amend the application as follows:

In the claims:

Please cancel claims 1-4.

Please add claims 23-27 as follows.

23. A method for determining whether a test compound is a candidate compound for modulating the drug resistance of an eukaryotic cell, the method comprising:

a) determining the level of expression of a gene encoding an mRNA comprising a nucleotide sequence selected from the group consisting of the nucleotide sequence of any of GenBank Accession Numbers X85993, L26081, L24118, M92357, M25324, M25280, X81627, K03235, U54705, and U04313 in an eukaryotic cell in the presence of a test compound;

b) determining the level of expression of the gene in the eukaryotic cell in the absence of the test compound; and

c) identifying the compound as a candidate modulator of drug resistance of the eukaryotic cell if the level of expression of the gene in the eukaryotic cell in the presence of the test compound differs from the level of expression of the gene in the eukaryotic cell in the absence of the test compound.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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